INTERNATIONAL SEARCH REPORT

Inte nal Application No PCT/IB 02/02237

A. CLASSIFICATION OF SUBJECT MATTER
I PC 7 H04M15/60 H04M17/60 G06F17/60 G06F19/00 H04Q7/38 According to International Patent Classification (IPC) or to both national classification and IPC B. FIELDS SEARCHED Minimum documentation searched (classification system followed by classification symbols) HO4M IPC 7 Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched Electronic data base consulted during the international search (name of data base and, where practical, search terms used) EPO-Internal, WPI Data C. DOCUMENTS CONSIDERED TO BE RELEVANT Citation of document, with indication, where appropriate, of the relevant passages Relevant to claim No. Category 9 1-8 X US 2002/065785 A1 (TSUDA YOSHIYUKI) 30 May 2002 (2002-05-30) page 2 -page 5 abstract; figures 11-18 US 2002/087461 A1 (RENSHAW TIMOTHY SCOTT 1-8 E ET AL) 4 July 2002 (2002-07-04) page 4 -page 6 abstract; figures 22-24 Ε US 2002/084727 A1 (MILLER JOSEPH E) 1-8 4 July 2002 (2002-07-04) page 4 -page 6 abstract; figures 24-26 -/--Further documents are listed in the continuation of box C. Patent family members are listed in annex. Special categories of cited documents: T later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the "A" document defining the general state of the art which is not considered to be of particular relevance invention "E" earlier document but published on or after the International "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone filing date "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) "V" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art. "O" document referring to an oral disclosure, use, exhibition or other means "P" document published prior to the international filing date but later than the priority date claimed

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Date of mailing of the international search report

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Name and mailing address of the ISA

Date of the actual completion of the international search

6 February 2003



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